



ApplianceStor 74R

High Performance Video Surveillance Appliance

High performance VMS Storage Server with dual CPU, dual power supply and optional Viewing capability is ideally suited for small to medium Video Surveillance locations with up to 128 Megapixel Cameras (with PS5000) *

Features

Optimized

Designed and optimized for the video surveillance market. It delivers the performance required for the most demanding megapixel installations.

Open

Purpose built open platform to integrate Video Management Software. We have prequalified all major OS and VMS providers. We continually add more to ensure the widest possible certification coverage.

Video Class

Video class drives are designed for video storage to deliver reliable 24x7 operations and optimized for power consumption, quiet operation, video streaming while having high reliability and capacity. This ensures the highest video storage performance, enterprise-class reliability and availability in an efficient solution.

Viewing and Monitoring

The AS74R ships standard with HD graphics, delivering HD viewing capability while eliminating the complexity and cost for a separate video viewing and monitoring server.

Simple

The ApplianceStor74 Rack mount integrates VMS (Video Management Software) and storage into a simple to use, high performance video surveillance server solution. This eliminates the cost of a separate VMS server, significantly reducing cabling as well as the nightmare of integrating VMS, OS, commodity server and storage. We guarantee performance with all major VMS solutions prequalified on the AS74R. It is easy to install and maintain.

Powerful

The AS74R is a powerful server and storage system, built around dual high performance Intel® Xeon® E5-2603v4 hex-core processors with 1.7GHz clock speeds and 16 GB DDR4 1866 MHz ECC memory. The AS74R offers high performance and bandwidth connectivity to meet the requirements of the most demanding megapixel camera applications. The AS74R has unmatched LAN connectivity with four GbE ports and an additional port that is dedicated to management for a total of five GbE LAN ports. With the AS74R video surveillance appliance's flexible LAN connectivity and its impressive power, it can meet the requirements of the most demanding megapixel camera applications.

Reliable

Disk drive failure is the number one cause of lost video storage and downtime. We offer advanced RAID 5 technologies which eliminates the loss of video due to a disk failure. Disk drives are hot swappable without interruption in service or loss of data. The AS74R only uses ECC RAM and guarantees that video being stored read and moved within is always correct. It uses a parity bit to accomplish the data protection. Most NVRs and DVRs are not protected to this level and with these products crucial video can be lost. The AS74R gives peace of mind that the video is always reliably being stored.

Right Size

The AS74R is designed for smaller megapixel deployments; it is offered in 8, 12, 16, 20, 24, 32, and 40TB versions with 2x120GB SSD OS drives in RAID 1. The AS74 matches the perfect storage capacity with exceptional performance to ensure optimal, cost effective and dependable video storage. If expansion is required, the AS74 can be used in conjunction the PS5000 allowing capacity to grow up to 1080TB.

More Features

Upgradable

Additional RAM can be added, allowing up to 32GB RAM to be used.

Easy

The AS74R delivers effortless installation, management and administration. All administration functions assume technicians with basic to no storage knowledge. Once installed in a rack, setup time should be 15 minutes or less

Hot-swappable

The AS74R features four 3.5" hot-swappable SATA drives and power supplies for easy installation and maintenance.

Manageable

Very easy to manage with optional remote management. Web-based, GUI-driven iKVM upgrade kit provides full control of server functions with dedicated hotkeys and remote server screen. Virtual media-over-LAN helps share local devices with target servers, enabling fast troubleshooting.

For More Information Contact:

Rasilient Systems, Inc.
3281 Kifer Road
Santa Clara, CA 95051
Tel: +1 (408) 730-2568
Toll Free +1 (888) 902-8981

General Information:

info@rasilient.com
Sales: Sales@rasilient.com
Technical Support: techsupport@rasilient.com
Website: www.rasilient.com

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Specifications

Core Technology	
CPU Type	Dual Intel Xeon E5-2603 v4 Broadwell (1.7Ghz)
Socket	2 x Socket LGA2011-3
Core Logic	Intel® C612 PCH Chipset
Bench Mark/Clock speed	
Memory size	16GB(expandable up to 32GB)
Memory type	DDR4-1866 ECC RDIMM
Video Storage Performance	Up to 120Mbps / 15MBps internal and 720Mbps / 90MBps withPS5000
Expansion	
Expansion Slot	1 (only available on non-RAID recording server model)
Slot Type	1x PCI-E x16
Storage	
HDD Bays	4 x Hot-swap 3.5"
Drive support	2, 3, 4, 6, 8 and 10TB SATA III Video Class 120, 240, 480 and 900GB SSD
RAID	5, 10
Removable Storage	1 x Slim-type Optical DVD-RW
Networking	
Data Ports	4 x GbE (Intel® I210AT)
Management	1 x GbE (Realtek RTL8211E)
Display Outputs	
Onboard Graphic	ASPEED AST2400 with 16MB VRAM
Optional HD Graphics	HD 7750 1 GB DDR3 mDP, 2x HDMI (DVI and VGA via adapters)
Optional Graphics performance	1631
Max Supported Resolution	DVI - 1920x1200 @ 60Hz HDMI - 4096x2160 @ 24Hz mDP - 4096x2160 @ 60 Hz
I/O Ports	
	2 x USB 2.0 (front) and 2 x USB 3.0 (rear)
	1 x D-Sub (1x rear)
	1x Serial Port (rear)
Compliance	
Safety	US/Canada (UL1950-CSA950) Europe (CE, EN55022 compliance to EU Directive 89/366/EEC& TUV)
EMI	US (FCC , CFR47 Part 15, Class A) Europe (CE, EN55022 class A & EN55024) Australia (C-TICK), Taiwan (BSMI)
Physical Characteristics	
Dimensions (in./mm)	26" x 16.9" x 1.7" / 660 x 430 x 43.5
Weight	42lbs./19Kg
Power	Dual redundant 1+1
Voltage	100 - 240 V _{AC}
Watts	650 W 80 PLUS Gold
Operating Environment	
Operation temperature	10°C ~ 35°C
Non operation temperature	-40°C ~ 70°C
Humidity:	20% ~ 90% (Non condensing)
Operating altitude	0 to 10,000' / 0 to 3000m

* Maximum camera supported is calculated using 2MP HD cameras using H.264 at 15fps. 64 cameras without PS5000 and 128 cameras maximum with PS5000.